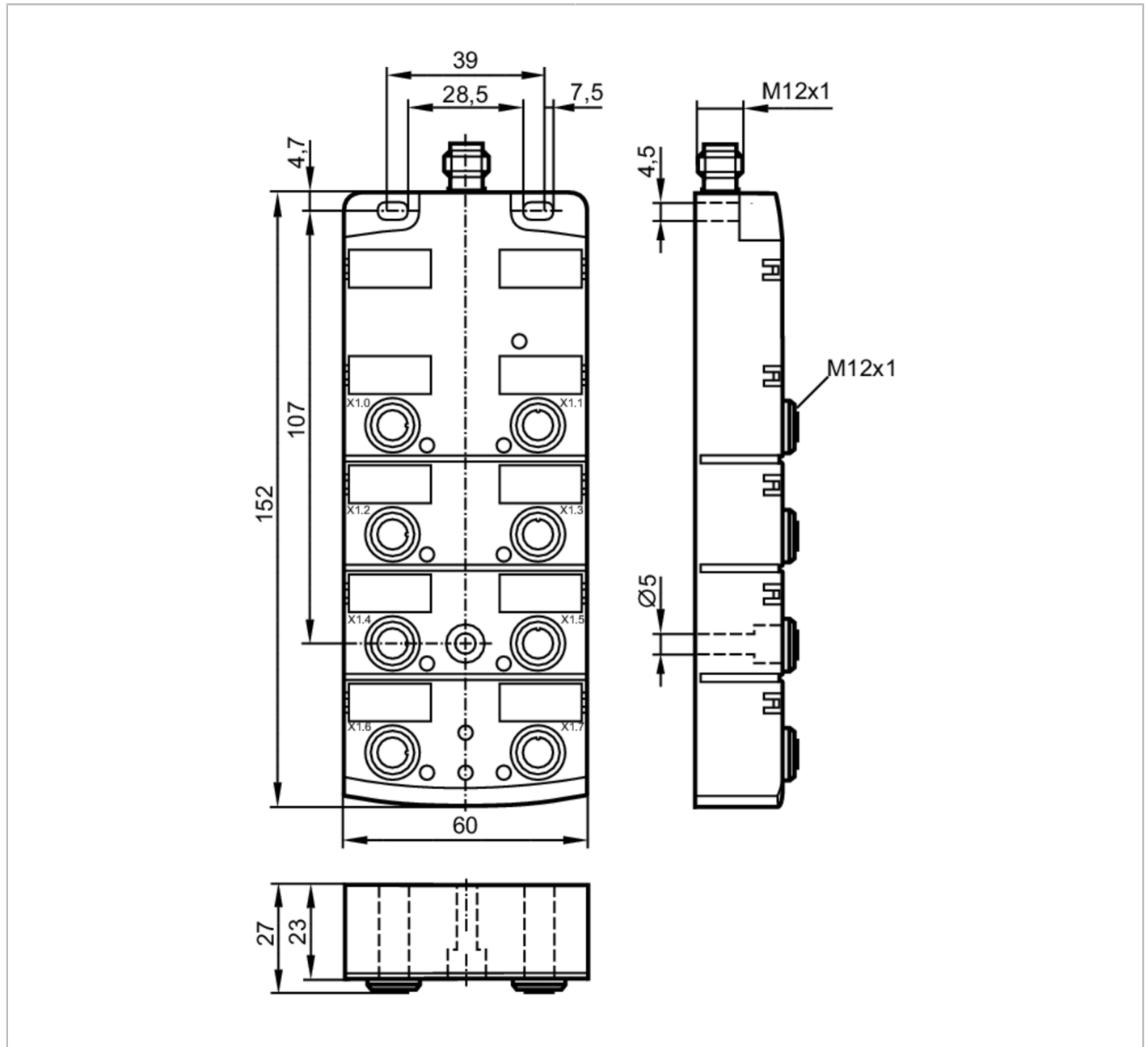


AL2401



IO-Link CompactLine module

IO-Link module 8 x 2 DI IP 67



Electrical data	
Operating voltage	[V] 18...30 DC; ("supply class 2" to cULus)
Current consumption	[mA] < 50
Sensor supply US	
Current rating per port	[A] 0.1
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 16
Inputs	
Number of digital inputs	16; (8 x 2)
Input circuit of digital inputs	PNP

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Sensor supply of the inputs		IO-Link
Input current limitation [mA]		15
Input current High [mA]		6...10
Input current Low [mA]		0...2
Switching level high [V]		> 11
Digital inputs protected against short circuits		yes

Interfaces

Communication interface		IO-Link
Supported DeviceIDs	Type of operation	DeviceID
	IO-Link Device	555

IO-Link Device		
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor - SSP 0	Generic Profiled Sensor
	Function	Device identification
	Function	Process data variable
	Function	Device diagnosis
SIO mode	no	
Process data analogue	1	
Process data binary	24	
Min. process cycle time [ms]	2.9	

Operating conditions

Ambient temperature [°C]	-25...70	
Protection	IP 67	
Protection rating (NEMA 250)	6P	
Chemical media	ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA
	NEMA 250 5.13.1	AA

Tests / approvals

EMC	EN 61000-6-2	
	EN 61000-6-3	
	IEC 61131-9	
MTTF [years]	164	

Mechanical data

Weight [g]	382.5	
Housing	rectangular	
Type of mounting	backplane mounting	
Dimensions [mm]	162.3 x 60 x 27	
Materials	PA; socket: brass nickel-plated; O-ring: FKM	
Sealing material	FKM	

Displays / operating elements

Display	operation	LED, green
	errors	LED, red
	function	LED, yellow

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Accessories	
Accessories (optional)	Stainless steel sleeve, for installation in case of high mechanical stress , E70402
Remarks	
Remarks	For use in NFPA 79 applications only The device is to be operated to IO-Link specification V1.1.2. The maximum cable length of the IO-Link cable is 20 m.
Pack quantity	1 pcs.

Electrical connection - IO-Link

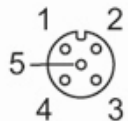
Connector: 1 x M12; coding: A



1	UB +
2	not used
3	UB -
4	IO-Link

Electrical connection - Process connection

Connector: 8 x M12; coding: A; Sealing: FKM



1	Inputs X1.0...X1.7
2	Sensor supply +24 V
3	IN 2
4	Sensor supply 0 V
5	IN 1
5	not used